

SSC BFO-II  
(local)

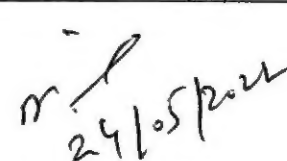
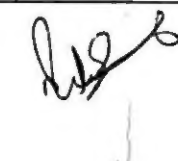
23/5/22

**RUBRIC: SSC**  
**1<sup>st</sup> ANNUAL EXAMINATION 2022**  
**SUBJECT: BIOLOGY-II (L)**

| Q.#/Part # | Rubric Name                      | Rubric Type 1 (Marks)   | Rubric Type 2 (Marks)  | Rubric Type 3 (Marks)   | Rubric Type 4 (Marks) | Rubric Type 5 (Marks) |
|------------|----------------------------------|---|--|---|-----------------------|-----------------------|
| 2(i)       | Structure of larynx              | Correct explanation i.e. voice box, vocal cords etc. (2)  | Partially correct detail containing any one criteria (1)           | Some relevant information (0.5)   | Wrong answer (0)      |                       |
|            | Function of larynx               | Correct function related to sound production/passing air to lungs (1)                                       | Some relevant information (0.5)                                    | Wrong answer (0)  |                       |                       |
| 2(ii)      | a. Cartilage                     | Correct identification (hyaline cartilage) (1)  | Wrong answer (0)   |   |                       |                       |
|            | b. Characteristic with example   | One correct characteristic with example (2)   | Only Structure or Only one correct example (1)                     | Some relevant information (0.5)   | Wrong answer (0)      |                       |
| 2(iii)     | Parts of Nephron                 | Renal tubule (1)  | Any one part of renal tubule (0.5)                                 | Wrong answer (0)  |                       |                       |
|            | Detail of selective reabsorption | Names of materials reabsorbed at three parts of renal tubule (2)  | Names of materials reabsorbed at any two parts of renal tubule (1) | Names of materials reabsorbed at any one part of renal tubule (0.5)             | Wrong answer (0)      |                       |
| 2(iv)      | Name of Glands                   | 3 correct names of glands (3)<br>A- Parathyroid gland<br>B- Adrenal gland/<br>adrenal cortex<br>C- Pancreas | Two correct names of glands (2)                                    | One correct name of gland (1)   | Wrong answer (0)      |                       |
| 2(v)       | a. Labeling of part A & B        | Correct labeling of A & B (1)<br>A- Sclera<br>B- Pupil  | One Correct labeling (0.5)   | Wrong answer (0)  |                       |                       |
|            | b. Labelling + function          | Correct labeling of C(Retina) and correct function of C (2)   | Only Correct labeling/Only Correct Function (1)                    | Some relevant information (0.5)   | Wrong answer (0)      |                       |
| 2(vi)      | Formation of female gametophyte  | Correct detail of megaspore, mitotic divisions and embryo sac/related cells i.e. egg cells (3)              | Correct detail containing any two of the criteria (2)              | Correct detail containing any one of the criteria/some relevant information (1) | Wrong answer (0)      |                       |
| 2(vii)     | Ecological pyramid of number     | Correct explanation (1)   | Partially correct (0.5)  | Wrong answer (0)  |                       |                       |

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|-------------|---|--|---|-------------------------------------|-----------------------|-----------------------|
|             |   | Correct explanation of pyramid of number and Diagram of pyramid of number (2)  | Only correct explanation/Only correct diagram (1)                   | Some relevant information (0.5)     | Wrong answer (0)      |                       |
| 2(viii)     | a. Name of process                              | Correct name (1)<br>Binary fission   | Partially correct name (0.5)  | Wrong answer (0)                    |                       |                       |
|             | b. Description of B & C                         | Correct description of both stages<br>B-Division of chromosome<br>C-Separation/Division of Cytoplasm/Formation of daughter cells (2) | Correct description of one of the stage (1)                         | Some relevant information (0.5)     | Wrong answer (0)      |                       |
| 2(ix)       | Heterozygous                                    | Correct definition of heterozygous(1.5)  | Partially correct definition (1)                                    | Some relevant information (0.5)     | Wrong answer (0)      |                       |
|             | Genotype  | Correct definition of genotype (1.5)   | Partially Correct definition (1)                                    | Some relevant information (0.5)     | Wrong answer (0)      |                       |
| 2(x)        | Effects of drugs                                | Correct effect of each drug<br>A-Any one correct effect<br>B- Any one correct effect<br>C- Any one correct effect (3)                | Correct effect of any two drugs (2)                                 | Correct effect of any one drugs (1) | Wrong answer (0)      |                       |
| 2(xi)       | Differences between transcription & translation | Correct difference of both (3)   | Partially Correct difference of both (2)                            | Some relevant information (1)       | Wrong answer (0)      |                       |
| 2(xii)      | Name of variation                               | Correct name (1)<br>Continuous variations  | Wrong answer (0)  |                                     |                       |                       |
|             | Examples  | Two correct examples (2)   | One correct example/Some relevant information about translation (1) | Wrong answer (0)                    |                       |                       |
| 2(xiii)     | Genetic engineering                             | Correct definition (2)   | Partially correct definition(1)                                     | Wrong answer (0)                    |                       |                       |
|             | Use of microorganism                            | Any one correct use (1)  | Partially correct use (0.5)   | Wrong answer (0)                    |                       |                       |
| 2(xiv)      | Relationship in food chain                      | Correct detail like producer, consumer, decomposer (1)   | Partially correct detail of relationship (0.5)                      | Wrong answer (0)                    |                       |                       |
|             | Diagram/ flow chart of food chain               | Correct diagram/ flow chart showing producer , consumer  | Partially correct showing two stages (1)                            | Some relevant information (0.5)     | Wrong answer (0)      |                       |



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|-------------|-----------------------------------|---|--|---|--|-----------------------|
|             |                                   | & decomposer(2)   |  |   |  |                       |
| 2(xv)       | Moveable joints                   | Correct definition (1)  | Partially correct definition (0.5)                               | Wrong answer (0)  |  |                       |
|             | Types and examples                | Names of types with one example of each type (2)  | Only names of types/ examples (1)                                | Any one name or one example (0.5)                             | Wrong answer (0)   |                       |
| 3(a)        | Identification                    | Correct answer (1)  | Wrong answer (0)   |   |  |                       |
|             | Structure                         | Correct explanation of Structure i.e. thin walled, blood capillaries, moist, large surface area (4) | Explanation of any three criteria (3)                            | Explanation of any two criteria (2)                           | Explanation of any one criteria (1)                          | Wrong answer (0)      |
|             | Function                          | Any one correct functions (1)   | Some relevant details (0.5)                                      | Wrong answer (0)  |  |                       |
| 3(b)        | Nitrogen Fixation                 | Correctly explained (1)   | Partially correct (0.5)  | Wrong answer (0)  |  |                       |
|             | Ways of N-fixation                | Names of three ways (3)   | Names of two ways (2)  | Name of one way (1)   | Wrong answer (0)   |                       |
| 4 (a)       | Bone                              | Correct description of structure, showing compact and spongy part, bone marrow osteocytes (3)       | Partially correct description (2)                                | Some relevant details (1)                                     | Wrong answer (0)   |                       |
|             | Diagram of bone                   | Correct Drawing and any two labelings (2)   | Partially correct drawing and one label (1.5)                    | Drawing only (1)  | Incorrect diagram(0)   |                       |
| 4 (b)       | Fermentation                      | Correct explanation (2)   | Partially correct (1)  | Wrong answer (0)  |  |                       |
|             | Fermented foods                   | At least three fermented foods with details (3)   | Any two fermented foods with details/names of three products (2) | Any one fermented food with details/names of two products (1) | Some relevant information (0.5)                              | Wrong answer (0)      |
| 5 (a)       | Reflex action                     | Correct explanation with example (3)  | Partially correct explanation with example (2)                   | Partially correct explanation without example (1)             | Some relevant information (0.5)                              | Wrong answer (0)      |
|             | Diagram                           | Drawing + labeling (2)  | Only drawing (1)   | Wrong answer (0)  |  |                       |
| 5 (b)       | Artificial vegetative propagation | Correct detail of any Two methods like grafting, cutting, layering (5)                              | Correct detail of any one of method (2.5)                        | Partially explained two methods (2)                           | Partially explained one method/some relevant information (1) | Wrong answer (0)      |

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